SONY 3-798-437-22 (1)

SPORTS WALKMAN

Radio Cassette Player

WM-FS493/FS495

Operating Instructions

WALKMAN is a registered trademark of Sony Corporation.

Sony Corporation © 1995 Printed in Malaysia

OWNER'S RECORD

The model number is located at the rear and the serial number is located inside the cassette holder. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

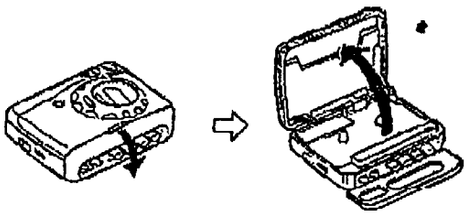
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

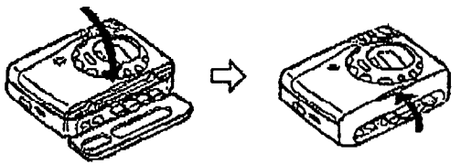
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Getting Started

Opening the Cassette Holder

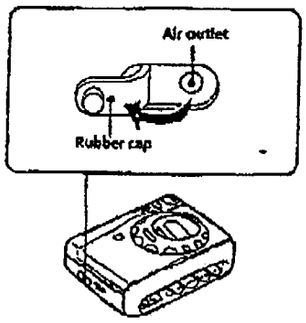


Closing the Cassette Holder



If the cassette holder cannot be opened*

Open the rubber cap, then open the cassette holder. When the cassette holder opens, remember to close the rubber cap. (The Walkman is not water-resistant with the cassette holder open.)



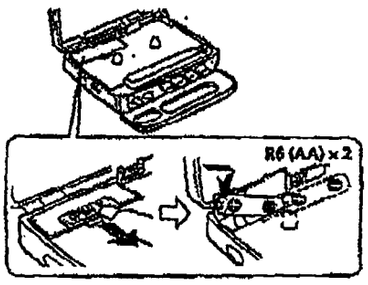
* Since the Walkman is airtight, you may not be able to open the cassette holder because of a sudden change in air pressure inside the Walkman which happens after being transported on a plane or moving from a warm place to a cold place.

495 - has hand grip & TV Tuner

493 - has attachments for grip but no grip incl.

Inserting Batteries

Insert two AA (R6) batteries in correct polarity.



Removing Batteries

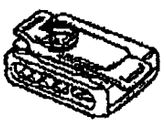
Notes on batteries

- When you are not going to use your Walkman for a long time, remove the batteries to prevent damage from battery leakage and corrosion.
- When the batteries become weak, and the sound will be unstable or can not be heard, in such a case, replace both batteries.
- Replace both batteries while the E indication comes on in the display, or all the memories will be erased.
- Concerning the battery life, see "Specifications".

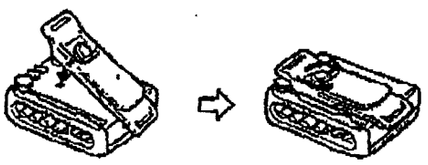
Using the belt Clip

With the supplied belt clip, you can wear your Walkman on a belt for convenient use.

Removing the belt clip



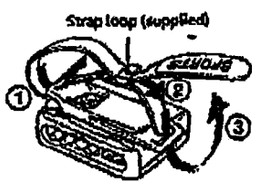
Attaching the belt clip

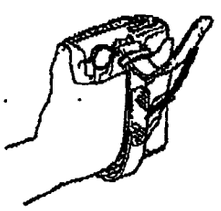


Using the Hand Strap (FS495)

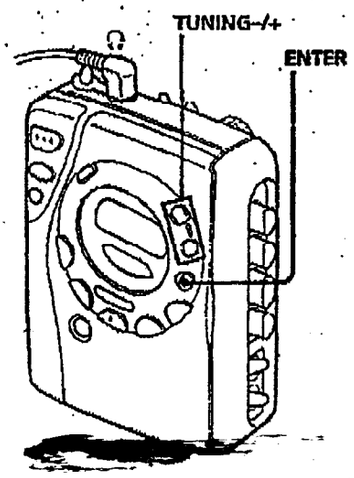
With the supplied hand strap, you can carry your Walkman in your hand for convenient use.

Attaching the hand strap

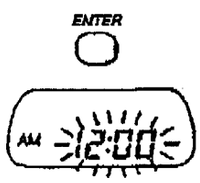




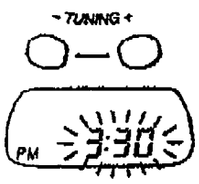
Setting the Clock



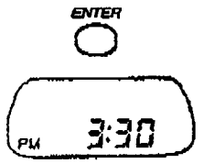
1 Press the ENTER button to enter the current time setting mode.



2 Set the time by using the TUNING+/– buttons within six seconds of flashing.

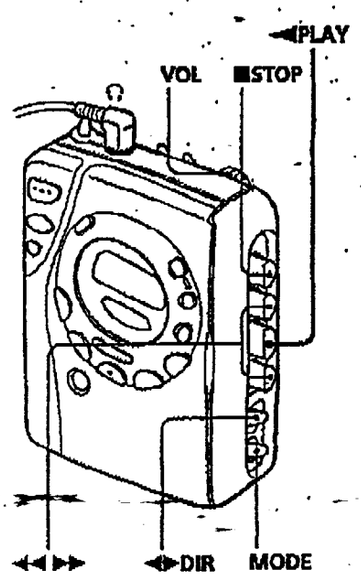


3 Press the ENTER button to return to the current time display.



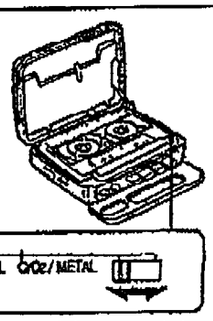
Notes
- The hour display does not advance even when the minute display returns to "00" after "59".
- The hour display is on a 12-hour cycle.

Playing Cassette



1 Insert a cassette.

2 Set the TAPE switch to match the tape type.



3 Press the PLAY button.

Note
When the tape is played or the radio is turned on, the OPR indication comes on in the display.

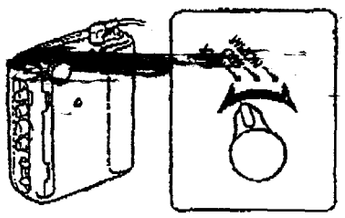
Operating the Cassette Player

To wind the tape	Press ◀◀ or ▶▶.
To change sides	Set ◀▶ DIR.
To play both sides once	Set MODE to ⇀.
To play both sides repeatedly	Set MODE to ⇄.
To adjust the volume	Set the VOL control.
To stop	Press ■ STOP.

Notes on playing cassettes
- Do not use cassettes longer than 90 minutes except for long continuous playback.
- If the tape is playing but no sound comes out, the batteries may be weak. Replace all batteries with new ones.
- If your Walkman has not been used for a long time, run the Walkman for a few minutes before inserting a cassette.
- Do not open the cassette holder while the tape is running.

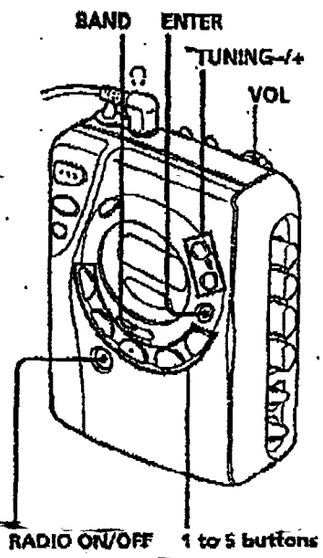
Using MEGA BASS

Set the MEGA BASS selector to the MID or MAX position to produce deep and powerful sound.



When using MEGA BASS
If the AVLS switch is set to ON, the MEGA BASS effect is reduced.

Listening to the Radio



1 Press the RADIO ON/OFF button.

2 Press the BAND button to select the band*.

*FS-193: FM or AM
FS-W3: FM, TV or AM

3 Press the TUNING +/− buttons to tune in the desired station.

To adjust the volume	Set the VOL control.
To turn off	Press RADIO ON/OFF.

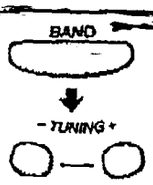
Notes
- If you keep pressing the TUNING + or – button, the frequency digits go up or down quickly. And when you release, the frequency digits go up or down step by step. When the desired station is heard, press the TUNING + or – button again to stop the tuning.
- The STEREO indication comes on in the display when receiving an FM stereo broadcast.
- (For FS495) TV channel range is 2 to 13.
- When the ⇥ PLAY, ◀◀ or ▶▶ button is pressed in the radio mode, the current mode switches to the tape mode.
- If you have inserted a cassette with a metallic shell or label, and interference in radio reception occurs, remove the cassette.

Presetting Stations

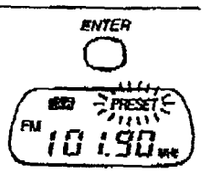
For FS493: You can preset up to 10 radio stations, 5 for each FM and AM bands.
For FS495: You can preset up to 15 radio stations, 5 for each FM, TV and AM bands.

1 **Press the RADIO ON/OFF button.**

2 **Tune in the desired station by using the BAND and TUNING +/– buttons.**



3 **Press the ENTER button to enter the presetting mode.**
The PRESET indication comes on and starts flashing.



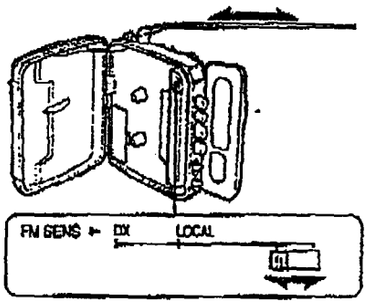
4 **Press one of the 1 to 5 buttons within six seconds of flashing.**
The PRESET indication and the preset number flash.

5 **Press the ENTER button within six seconds of flashing.**
The PRESET indication and the preset number light.

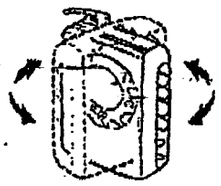
To recall the preset station
Press the BAND button to select the band, and then press the corresponding number button.

Improving Radio Reception

Improving FM reception
Extend the headphones cord or adjust the FM SENS switch.



Improving AM reception
Rotate the Walkman.

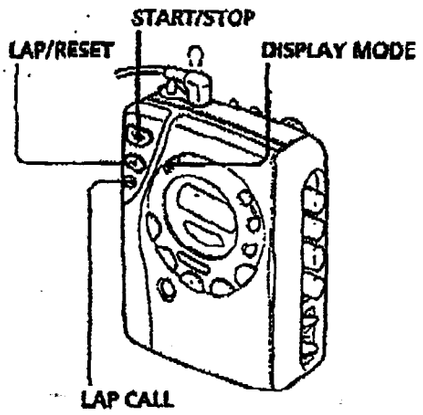


Listening to the Radio Abroad

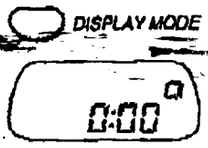
The frequency range differs depending on the area. If you listen to the radio in an area of different frequency range, change the area indication in the display. To change it, press the ENTER button while the radio is turned on. Press and hold the BAND button until the area indication flashes. Then, press the BAND button again to change the area indications ("U": USA and Canada; "E": European and other countries). Press the ENTER button to set the frequency range.

Notes
- If you change the frequency range, all the preset stations in the memory will be canceled.
- For E area indication, the hour display is on a 24-hour cycle.

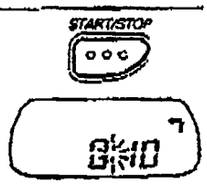
Using the Stopwatch



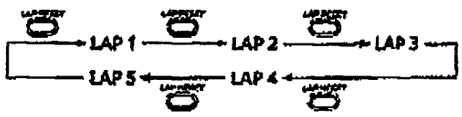
1 Press DISPLAY MODE to enter the stopwatch mode.



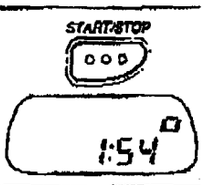
2 Press START/STOP to start timing.



When you press LAP/RESET, the lap time is started as shown below. The lap time appears for three seconds in the display window. Up to five laps can be stored in memory.



3 Press START/STOP to stop timing.



To display the lap time
Press LAP CALL after stopping the timing. The lap time appears in order.

To listen to the radio in the stopwatch mode
Press RADIO ON/OFF to turn on the radio.
The frequency appears for three seconds in the display window, and then the timing appears again.

To display the current time while timing
Press DISPLAY MODE while timing.
Press DISPLAY MODE again to display the timing.

To clear the timing and the lap time
Press LAP/RESET after stopping the timing.

To cancel the stopwatch mode
Press LAP/RESET* and DISPLAY MODE after you have stopped timing.

* As long as you do not press LAP/RESET, both the timing and the lap time are stored in memory.

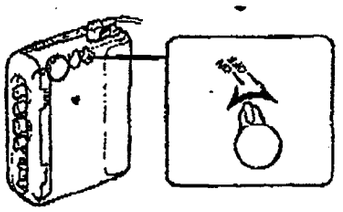
Notes
- The range of the stopwatch is 1 hour 59 minutes 59 seconds.
- You can play a cassette while using the stopwatch.

Using AVLS

AVLS (Automatic Volume Limiter System)

The AVLS switch allows you to limit the maximum volume of your Walkman personal stereo without degrading the sound quality.

- When the AVLS switch is set to ON (around 85 dB), the volume will be kept at a moderate level without the degradation of the sound quality, even if you attempt to turn the volume up higher.
- When the AVLS switch is set to ON, the playback sound may be distorted or unstable according to the music (especially bass boosted part). If this happens, turn down the volume.
- When the AVLS switch is turned off, you will be able to enjoy the full volume capability of your Walkman personal stereo.



Specifications

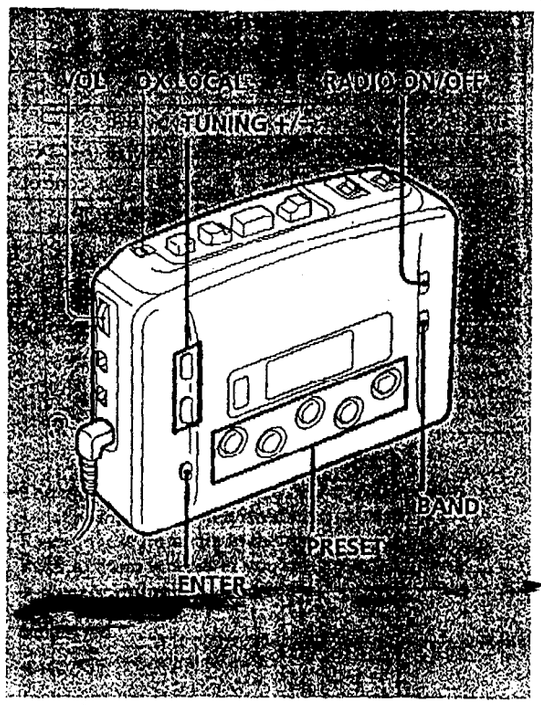
Radio Frequency (For U.S.A. area indication)
FM: 87.5 – 108 MHz (0.1 MHz step)
AM: 530 – 1,710 kHz (10 kHz step)
(For FS495) TV: 2 – 13 channel
Power Requirements
3 V DC Batteries AA (R6) x 2
Battery Life
(Approximate hours when using the batteries specified below)

	Sony Alkaline AM3 (N)		Sony SUM-3 (NS)	
	FS493	FS495	FS493	FS495
Playback	18	18	8.5	8.5
Radio	30	25	15	12

Dimensions
98.3 x 117.4 x 40.9 mm (3⅞ x 4⅝ x 1⅝ in.) (w/h/d)
incl. projecting parts
Mass 265 g (9.4 oz) incl. batteries
Supplied Accessories
– Stereo headphones (1) – Belt clip (1)
– Hand strap (1) (FS495 only) – Strap loop (1) (FS495 only)

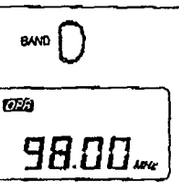
Design and specifications are subject to change without notice.

Listening to the Radio

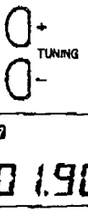


1 **Press the RADIO ON/OFF button.**

2 **Press the BAND button to select the band (FM, TV or AM).**



3 **Press the TUNING +/– buttons to tune in the desired station.**



To adjust the volume	Set the VOL control.
To turn off	Press RADIO ON/OFF.

Notes

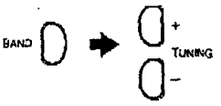
- If you keep pressing the TUNING + or – button, the frequency digits go up or down quickly. And when you release, the frequency digits go up or down step by step. When the desired station is heard, press the TUNING + or – button again to stop the tuning.
- The STEREO indication comes on in the display when receiving an FM stereo broadcast.
- TV channel range is 2 to 13.
- If you press the ◄ PLAY, ◄◄ or ►► button while listening to the radio, the tape operation begins.
- If you have inserted a cassette with a metallic shell or label, and interference in radio reception occurs, remove the cassette.

Presetting Stations

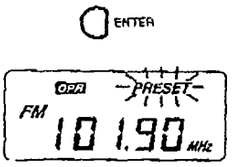
You can preset up to 15 radio stations, 5 for each FM, TV and AM bands.

1 **Press the RADIO ON/OFF button.**

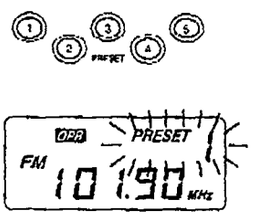
2 **Tune in the desired station by using the BAND and TUNING +/– buttons.**



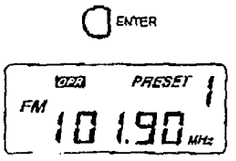
3 **Press the ENTER button to enter the presetting mode.**
The PRESET indication comes on and starts flashing.



4 **Press one of the PRESET buttons 1 to 5 within six seconds of flashing.**
The PRESET indication and the preset number flash.



5 **Press the ENTER button within six seconds of flashing.**
The PRESET indication and the preset number light.



To recall the preset station

Press the BAND button to select the band, and then press the corresponding preset button.